74508XNAB Customer No. 01333

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

David Kessler, et al

ANTI-ALIASING LOW-PASS BLUR FILTER FOR REDUCING ARTIFACTS IN IMAGING **APPARATUS** 

01216274818

Serial No. US 08/770,381

Filed December 3, 1996

Commissioner for Patents P.O. Box 1450 Alexandria, VA. 22313-1450

Sir:

Group Art Unit: 2712

Examiner: J. Wilson

with the United States Posts? glass mail in an envalope at

## DECLARATION OF PRIOR INVENTION IN THE UNITED STATES OR IN A NAFTA OR WTO MEMBER COUNTRY TO OVERCOME CITED PATENT OR PUBLICATION (37 C.F.R. § 1.131)

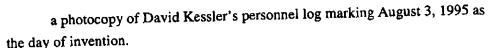
Date

### PURPOSE OF DECLARATION

- This declaration is to establish completion of the invention in this 1. application in the United States, at a date prior to February 7, 1996, the date of Fukushima, U.S. Patent No. 5,579,420, and January 29, 1996, the date of Fukushima, U.S. Patent No. 5,646,399, which were cited by the Examiner as prior art.
- This declaration is made by the joint inventors. 2.

### FACTS AND DOCUMENTARY EVIDENCE

To establish the date of completion of the invention of this application, the 3. following attached documents and/or models are submitted as evidence:



- a letter from Deltronics on how to cut Lithium Niobate crystals dated August 9, 1995.
  - a request for quotation dated August 22, 1995
- correspondence from Cargille showing melt point and other characteristics dated August 25, 1995
  - a purchase order dated August 31, 1995
  - a purchase requisition to Cargille dated September 7, 1995
- a shipping packlist from Virgo Optics containing Lithium Niobate (LN PRISM) filter parts dated September 29, 1995
- a quotation from Crystal Technology, INC for Lithium filter elements dated May 14, 1996
- a letter from V-A Optical Labs dated May 17, 1996 for lithium niobate plates
- a fax cover sheet from Eastman Kodak for quotation from Crystal Technology for Lithium elements with detailed designs dated June 25, 1996
- a quotation from Crystal Technology for Lithium elements dated July 1, 1996
- a purchase order issued to Crystal technology against the July 1 quotation dated July 3, 1996
- a letter from Prof. K. Gaylord, a noted expert on Lithium Niobate at the Georgia Institute of Technology concerning a prior discussion with Dave Kessler on Lithium physical proreties dated August 16, 1996
  - an invention disclosure dated August 26, 1996

From these documents it can be seen that the invention in this application was conceived on August 3, 1995, which is a date earlier than the effective date of Fukushima '420 and Fukushima '399.

To establish the diligence of the applicants, from the time of their 4. conception, to a time just prior to the date of the reference, up to the actual reduction to practice the following facts are provided.

From the date of conception to the date the patent application was filed diligent efforts were made to determine the best configuration for Lithium Niobate blur filters, as documented in the attachments to this declaration, listed above, samples of Lithium Niobate material were ordered as early as August 1995. Materials were received in September 1995.

A problem that was discovered is that because of the high index of refraction matching adhesives were difficult to find. An embodiment tested in December 1995 continued to exhibit adhesive problems and adhesives that were susceptible to scratching.

Fabrication and testing continued during the early months of 1996. A new problem was discovered in that temperature changes induced charge build up, and hence, dust collection. External conversations with Crystal Technology, Inc. and internal meetings were held to solve the problem.

By August 27, 1996 there was sufficient confidence in the design to submit a Kodak Invention Disclosure for preparation of a patent application.

5. This Declaration is submitted as part of a Request for Rehearing Under 37 C.F.R. 1.197(b).

### **DECLARATION**

6. As a person signing below:

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### **SIGNATURE**

Inventor						
Full name of	first invento	David Ke				
Inventor's si	gnature	Davis Ke	rly	( )	<del></del>	
Date	2003	Country of Citizensh	1p	\$ 77		11/10
Residence	20, N.	Country of Citizensh	DR.	ROCHEST	ER NY	9018
Post Office F	Box					

Inventor
Full name of second inventor Russell J. Palum
Inventor's signature Aussel Peter
Date 11/18/03 Country of Citizenship USA
Residence 306 PELHAM ROAD ROCHES TER NY 146/1
Post Office Box
Inventor  Full name of second inventor  Alan C. G. Nutt  Inventor's signature  Date 17/11/2003 Country of Citizenship BRITAIN  Residence 47 KETIC'STOUR Mains, LINLITHGOW, SCOTTAND  Post Office Box EH49 6 SH

\_ / -

Looked for Fuji patents on AGX aith Jim Owens Asked Yip to come and help on the Roping Sue- 9 channel - she is aligning it Sipula- wants help on the LED printer

8/3 Blur filters meeting lookig for crystals talked to Alan Nut

Day of invertion

Alan sugggestd Lithium Niobate for blur filters
Wold on Pegasus, the led prnter-it has to work at 300 g
8/4 Kwok - met and asked him to work on roping in his spare time
8/7 Sent a not to Tom Beraduchi on using Mark Meyers diffractives for T-DDCcams
Talked to Carson and Owens on the use of grey Isilver layer which is bleachable
in processing for reducing the print up in printing taloha numericso
Talked to Randy from Crystal Tech about crysta;s

Jack is starting the 1:1 on the led with Carson

8/8 Sue is doing the 1/2 NA on the EP7. It is obvius that the depth of focus in the array diretion is th mainproblem now.

OOn tests the depth of focus is improved

Optics of Durst: Chuck Wilfield 11678 may know. Hw belongs to PPPI. he is a strategic planner for the commercial markets and was involved with them and visited them twice. He has MS in optics.. I got his name form John Bacilek at 76328

Info I got from him on Durst:

20 to 50 0 wide, 2 argon ion laser and HeNe. Paper beteen rollers going vertica. Polyon about 6 feet away about 30 cm on the side. Doing 200 dpi. You can look with a 10x loop. Not too bad. Fuji better with text. They do 8 point test not bad.

Also there is Light Jet which they do on film and will do on paper. 150 /min.

We have no a problummem with agfa and fuji and konica and we develop a better media.

Only 2 machines inthe world.

8/8 Talked to clark about the RIE problem with John Debeisis. Suggested I take a PhD for marks position.

8/9 Snapshot meeting- show- printing plates-ceramic

Using CAIBE for micro optics

8/10 Mark Evans- asked him to make again the merilons

Talked to Russ Palum on the pegasus optics and quartz filters

8/11 an hour talk with simpson

He said the fiber has a different f depending onaperture and then started shouting— OI am leaving if you do not agree etcO I told him how I see fibers and that it is the same as with reflective parabolas so what? retirement— will know and give us 3 month notice.

Does not want ideas fun etc- has to make it work. Beleives in his ray model does not want to here about changing fibers. He started with a fiber and then adjusted to real fiber and does not want to change. Alluded that he does not beleive my numbers-

He has to do a lot of stuff since I was not here.

(Nimas lee mimenu)

8/11 talkedUDDD to Gresko works for Einhous. Wants to illuminate a print from the side.

Doug goodman- talked to him about the paper by Self

A name from Jack- Tom Dey did illuination and mapping equipment.

who may know about illuminating form the side.

I called him at 7370714 and he is willing to come for a meeting about GreskoÖs problem

8/11 Andy- using 150 microns n=1,68 fiber, so f=90 micorns. glass is LAKN14

Problem in imaging the modulator, cant get the square patern. Suggested to use a diffuser and a 7:1 microscope objective 8/15 called a meeting between John and Mike on process development features on the masks. After he complained (john) to clark about lack of help in this area.

Amanda- talked to her about theefficiency test.

John grifith can only help in september.

Rus pallum did thedesign for filters and Juli helped him make them.

8/16 NSG gave a talkon planar optics

later a pegausus meeting were the head was discussed not hte lens

afternoon- vacation- skeneatlas

8/17 suggested not to continue with anti aliasing wDDDoalston patent.

8/18 Einhoaus started minilab activity, ATM and has Dave Paton who wants to do CRT and Autofocus

Amanda learns how to do measurmentnts

Steve Noble: quartz coat 1200 per one filter because of the 2/1 spec. thickness

not a p[roblem. They use 3.75 mm now for the M6

FIRST OUT OF KODAK CONTAG

Bob Uhrin -Deltronics- easy to find lithium compared with good quarts. About 160 dollars for a 30 wafer. Somewhat less hard compared to quartz grows crystals fo r 25 years CONTACT

◆ Virgo- craig Mizell- I will send them a sketch

8/21- Les- talked about filters- all day work on crystals

8/22 Talked to Keon and also KTP - suggested an expert form Crystal associates Sue- tryed the plastic lense at focus- they survived except when they were dirty- so one can use them

tlaked to virgo and McGarvey 31102 on the DSC 420 and on the biaxial

8/23 SHB- about gen II and d.o.f.

We agreed to order from teledyne the refractive lenslets 8/24 Owens wants to start the patent work on AgX

Jim Mruk on cameras and filters Mike long- consulting on triad- he has a mallillsk and they do flash but they get a smaller pixel on the donor.

8/25- organizing the office tlakd to harrigan about Ian power, the canadian on carson about diamond scattering calculated the performance of YALO3

8/27

Sunday- worked on the Pacific IR patent of ted witney and suggested to Kodak thatt the patents are not as good as MIT and relatet o equipment to make the IC. Spend 3-4 hours

8/23 anna hrycin- asked to help on the coating-said she is interested.

High brightness fibers- give 2x dof- whats next

should we cancel genII 16?

8/29- harrigan- talked about cascading

Mike long- about the panes1s fo illumination

Mich Burbary- on plates - he gave a talk at the AVTV room talked to Tai from Brite view technologies- will send samples. Will have a 4 by 5 in 3 weeks

8/31 cvi on coating lithium

matlab for filters

quotation form KEON for the 1/2 NA

Debesis and Anna- reminded about hte coating issue John said he can do a 1 to 2% at the edge one layer coating corning 7059 has 1.5355 in 546nm, 1.5311 for 633 and 1.5000044 for 435nm 9/1 calculatee MTF for circle



# DELTRONIC CRYSTAL INDUSTRIES, INC.

50 Harding Avenue • Dover, New Jersey 07801 USA • (201) 361-2222 • FAX(201) 361-0722

To: Kodak

Dave Kessler

From: R. Uhrin

Date: August 9, 1995

Subject: Linbo,

#### Dear Dave:

I have now had an opportunity to review the problem you and I discussed. According to my information the cut required for a separation of n and n in Linbo, is 43.75° from the optic axis. For a separation of 20 um at 500 nm the required plate thickness would be approximately 0.048 cm.

This is a practical thickness to fabricate and polish. However, I want to point out that thin plates deform somewhat after fabrication due to ralaxation of the small amount of bulk strain. Some deformation is unavoidable. Typically, a 75 mm diameter plate has a surface flatness of 5 mm and a thickness variation of 25 mm.

- If these values are unacceptable, I recommend one of the following:
- (a) the cut angle may be adjusted to utilize a thicker plate (as thick as possible to minimize deformation)
- (b) a larger separation (as large as possible) between beams is required to utilize a thicker plate.
- (c) a combination of both.

At this time it is not clear what would be acceptable as a starting point, but the problem appears to have a practical solution. I recommend some further discussion between us and then we can generate a quote on your requirement. Please contact me at your convenience.

Best regards,

Robert Uhrin

LN Product Manager

# FACSIMILE TRANSMISSION

# EASTMAN KODAK COMPANY Building 65, Floor 2 Rochester, NY 14650

FAX Number (716) 477-0736

3/2

<u>Date</u>

8/22/95

To:

Mr. Craig Mizell , Virgo, fax (813) 845 4957

From:

Dave Kessler. Phone: (716)477-4735

Jane Kenly

Request for quotation:

As per our phone conversation on last Friday, I attach the sketches of two elements I have in mind. I need 4 samples of element A and 8 of element B. Please quote for uncoated and coated (AR for the visible) elements. Please call me if you have any questions.

Thanks.

TOTAL NUMBER OF PAGES (INCLUDING COVER SHEET) 3

AST EHGH

CARGILLE REFRACTIVE INDEX LIQUID SERIES PH  $n(5893 \text{ Å}) 25^{\circ}C = 2.2000$ 

23-SEP-93

TYPICAL CHARACTERISTICS

COMPOSITION ..... Arsenic Tribromide, Arsenic Disulfide, and Selenium APPEARANCE ..... Dark red glass ODOR ..... Slight POUR POINT (Working temp) °C ..... 33 note: heat to working temperature by putting jar (lid loose) in water bath or heating a small amount on a slide; prolonged heating increases index; AVOID FUMES AND CONTACT BOILING POINT °C @ 760mm Hg ..... >211 FLASH POINT °C ...... Non flammable DENSITY TEMP. COEF. gm/cc/°C ..... -0.0008 COEF. OF THERM. EXP. cc/cc/°C ..... 0.0002 SOLUBILITY: very poor solubility in organic solvents; decomposes in water; is softened and decomposed by ethanol CLEAN UP: scrub with soap and water COMPATIBLE 3 week immersion: Phenolic, Polyethylene, Polypropylene, and Fluorosilicone Rubber Silastic 730 RTV (4 year immersion) (tests done on one example of each) INCOMPATIBLE: Will dissolve Acrylic, Cellulose Acetate, Epoxy, Nylon, Polystyrene, Polyurethane, Polyvinyl Chloride, Latex, and Neoprene; will swell Silicone Rubber (10 month immersion); will corrode Aluminum, Brass, Copper, and Steel; Will attack leaded glass such as microscope objectives,

which should be protected even from fumes by a piece of coverglass stuck on the objective by silicone stopcock grease; fumes are corrosive; hydrolyzes with atmospheric moisture

TOXICITY ..... High (request MSDS)

CAUCHY EQUATION: refractive index as a function of wavelength at 25°C

W = wavelength in angstroms (A)  $n(W) = 2.005296 + (5833478)/W^2 + (3.223751E+13)/W^4$ 

SOURCE OR Spectral line	WAVELENGTH (angstroms)	REFRACTIVE INDEX 25°C	% TRANSMITTANCE 0.01mm 0.1mm	25°0 1mm
e (Hg)	5461	2.237	57 0	0
D (Na Di,D2 mea	n) 5893	2.200	84 17	0
HeNe laser	6328	2.171	90 33	0
C'(Cd)	6439	2.165	90 35	Ø
C (H)	6563	2.158	90 36	0
Ruby laser	6943	2.140	91 38	0
JaAs laser	8400	2.094	95 58	0
Nd:YAG laser	10648	2.06	97 76	6
Diode	13000	2.04	98 86	21
Diode	15500	2.03	99 93	46
	20000	2.02	100 98	79
	25000	2.01	100 100	98

0.152 nr-nc 7.9 Abbe  $v_{D}: (n_D-1)/(n_F-n_C)$ -0.0004 Temp. coef:  $dn_p/dt 15-35$ °C =

R.P. CARGILLE LABORATORIES INC.

55 COMMERCE RD. CEDAR GROVE N.J. 07009-1289 U.S.A. 

TOFAXL-11856

CABLE - CAPILATISCI CEDARGROVERI



## R. P. CARGILLE LABORATORIES, INC.

55 Commerce Road • Cedar Grove, New Jersey • 07009-1289 USA 201423946633

FAX COMMUNICATION - DATE:

COMPANY: Castman Koe	The state of the s
ATTN: Nave Kessler	TEL: 716-477-4735
LOCATION: Rochester NY	
BUBJECT: TCCP for Me Series FH 2	eltmount 1.704 and

(201) 239-8098

for Bob Sacher

NUMBER OF SHEETS IN COMMUNICATION INCLUDING THIS SHEET:

If there are any problems with this communication, contact us by voice telephone at <201) 239-8833.

COMMENTS (If any):

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COPY

**DEPARTMENT** 

## Virgo Optics

Division of Il-VI Incorporated 736 Commerce Ave., Port Richey, FL 34668 elephone 813-845-3402 \* Fax 813-845-4957

# Shipping Packlist

Page

Current Date 9/29/95

Cust. Ord. Packlist ID: 00076

Cust. ID: EASTMAN KODAK

Cust. Order ID.: 00034 Order Date: 9/11/95

Ship To:

EASTMAN KODAK COMPANY ATTN: RECEIVING, BLDG 82 66 EASTMAN AVE **ROCHESTER NY 14650** 

Cust. P/O Ref #.: 14-736-88240W

AIRBORNE EXPRESS Ship Via:

FOB:

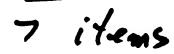
Terms: Due on receipt

Cust.Des.Shp.Date 9/29/95

Sale Rep.

i cinis.	Due on ree	******	
Ord. Qty	Shipped Qty	Back Ord. Qt Part ID	Part Description
		0.00 999880	XVS(LN)32.2X23.2X1.0PRISMUN
1.00	1.00	0.00 999880	LN PRISM, ITEM A
			WORK ORDER #: 0044
	2.00	0.00 999879	XVS(LN)32.2X23.2X1.0PRISM1CN
2.00	2.00	0.00 337877	LN PRISM, ITEM A
			AR @400-700, 1 SIDE
			, at (a)
			WORK ORDER #: 0045
1.00	1.00	0.00 999878	XVS(LN)32.2X23.2X1.0PRISM2CN
1.00	1,00	•	LN PRISM, ITEM A
		· · · · · · · · · · · · · · · · · · ·	AR @400-700, 2 SIDES
			WORK ORDER #: 0046
		•	**************************************
4.00	4.00	0.00 999875.	XVS(LN)32.2X23.2X.707PRISMUN
			LN PRISM, ITEM B WORK ORDER #: 0050
•			WORK ORDER #. 0030
			XVS(LN)32.2X23.2X.707PRISM1CN
2.00	2.00	0.00 999876	LN PRISM, ITEM B
			AR @400-700, 1 SIDE
			.Alt (@ 100 ) 50, 1 5.2
			WORK ORDER #: 0049
		•	XVS(LN)32.2X23.2X.707PRISM2CN
2.0	0 2.0	0.00 999877	LN PRISM, ITEM B
			AR @400-700, 2 SIDES
			AK (6400-700, 2 SIDES
			·

WORK ORDER #: 0047





1040 EAST MEADOW CIRCLE • PALO ALTO, CA 94303 (415) 856-7911 • FAX (415) 858-0944

> Mike Valiant **VA Optical** 60 Red Hill Avenue San Anselmo CA 94960

QUOTATION NO.	QUOTATION DATE
Q-7629-C	May 14, 96

QUOTATION FIRM F	FOR 30 Dave
------------------	-------------

TERMS: NET 30 DAYS
A 11/2% late payment charge per month will be charged on all past due accounts.

FOB: OUR PLANT, PALO ALTO, CA

RECOMMENDE OF SHIPMENT	
UPS	

This quotation subject to the above terms and conditions and those on the reverse side hereof.

	YOUR REFERE	ENCE Our telecon today		·	
NO.	QUANTITY	DESCRIPTION	DELIVERY	UNIT PRICE	TOTAL
1	1 lot	Lithuim niobate (LiNbO3) 45° + <z>/-<y> Diameter will be a minimum of 2.0" at the smallest point. Parts are oblong not round.  Thickness 0.5mm with -<x> flat. All parts as cut. Minimum 35 parts, could be 45 or more.</x></y></z>	5 wks ARO	\$3650.00	
					ed.
		Please reference the above Quotation Number and Part I correspondence and purchase orders.	Number on all	subsequent	

RS Diréct tel. (415) 354-0108

Randy Stanley Sales Representative

Crystal Products

CRYSTAL TECHNOLOGY, INC.



May 17, 1996

To: Dr. David Kessler Eastman Kodak Co.

From: Michael Valliant

Ref: Your request for oriented Lithium Niobate plates

Per our conversation of this week we can provide the Element A and B polished plates per yourDwg. of 4-17-96.

We quote as follows:

60 total Pcs (30 of A and 30 of B) \$60.00 Ea.

Surface quality to be per side 1 of CTI specification. You would have cut slices for fab and polishing drop shipped from CTI.

Delivery would be 4-5 weeks.

We estimate that in large quantity the price would be \$30.00 to \$35.00.

I am forwarding our brochure by mail for your file.

Sincerely,

Michael Valliant

60 Red Hill Ave.

San Anselmo CA 94960

# stman Kodak Company

uilding 65, KP Rochester, NY 14650-1822

### Fax Cover Sheet

DATE:

6/25/96

TIME:

1:12

TO:

Mr. Randy Stanely

FAX 415 354 0173

CRYSTAL TECHNOLOGY

FROM:

David Kessler

PHONE:

(716) 477-4735

FAX:

(716) 477-0736

E Mail: Dkessler@kodak.com

RE

REQUEST FOR QUOTATIONS

CC:

Number of pages including cover sheet:

2

Message

Dear Randy,

Thanks for the faxes. I think I understand now your terms.

The wafer I need is WAFER LN 4"0 x .0295" 128° R-Y CUT

namely, a 0.75 mm thick wafer, 4" in diameter with Y-Z angle of 127.85 degrees from the +Y axis . The wafer does not need to be polished.

As we discussed over the phone, I would like to have a quotation for 20, 50 and 100 wafers , or a quotation for the whole 4" bull cut into wafers .

I will then send these wafers to different vendors for cutting and polishing down to my final thickness of 0.2906 mm or 0.0114" and coating.

My other option is to have Crystal Technologies do also the cutting and polishing as shown on the next page. I would like to have a quotation for a quantity of 100 pieces of element A and 100 of element B and also a rough order magnetite quotation for 5,000 pieces (per year) of element A and 5,000 pieces of element B.

Thanks.

Dave Kessler



1040 EAST MEADOW CIRCLE • PALO ALTO, CA 94303 (415) 856-7911 • FAX (415) 858-0944

Dave Kessler Eastman Kodak Company Building 65, KP Rochester NY 14650-1822

QUOTATION FIRM FOR
TERMS: NET 30 DAYS A 1½% late payment charge per month will be charged on all past due accounts
FOB: OUR PLANT, PALO ALTO, CA
RECOMMENDED METHOD OF SHIPMENT
UPS

QUOTATION DATE July 1, 96

QUOTATION NO. Q-7675-C

This quotation subject to the above terms and conditions and those on the reverse side hereof.

YOUR REFERENCE Your fax dated 6/25/96

YOUR REFERENCE Your fax dated 6/25/96					
ITEM NO.	QUANTITY	DESCRIPTION	DELIVERY	UNIT PRICE	TOTAL
1	20	Lithium niobate (LiNbO3) 128° Y cuts 100mm diameter x 0.75mm(128° Y) As cut With X flat and minor flat 90° to X flat.	5-6 wks ARO	\$55.00	
2	50	Same as item 1	5-6 wks ARO	\$49.00	
3	100	Same as item 1	5-6 wks ARO	\$35.00	
		NOTES:			
		1. We prefer to not bid on the 100ea. of element A & B. in bidding on the large (5000) quantities, as this is our to parts are put into production.			
		2. Please reference the above Quotation Number and Pacorrespondence and purchase orders.	rt Number on	all subsequen	t
_					

RS

Direct tel. (415) 354-0108

BY	Randy Stanley	
	Randy Stanley	
	Sales Representative	
	Crystal Products	

CRYSTAL TECHNOLOGY, INC.

BLE UNSHADED AREAS 01 FOR INSTRUCTIONS PAYMENT TERMS CORE	M.L. SERIAL CHG. BLDG.	rl. I	% DISCOUNT			COb		PURCH			SPECIAL APVLS (IF REQUIRED) BUYER'S APVL.  EXECUTION UNIT
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Georgia Tech

Georgia Institute of Technology School of Electrical & Computer Engineering Optics Laboratory Allanta, Georgia 30332-0250 USA

Tel: 404-894-2931 Fax: 404-894-2979

August 16, 1996

Dr. David Kessler 716-477-0736 fax Research Laboratories Building 65 Eastman Kodak Company Rochester, New York 14650-1822

Dear David,

Following our telephone conversation today, you may wish to look at the following:

A. M. Prokhorov and Y. S. Kuzminov, Physics and Chemistry of Crystalline Lithium Niobate. Bristol: Hilger, 1990. ISBN 0852740026

This book may be of interest to you.

Please stop by Georgia Tech for a visit if you should get to Atlanta. We would be pleased to have you at any time.

Sincerely,

Jom

Thomas K. Gaylord Julius Brown Chair Regents' Professor

> ordered 8/19/96

Cost Code	
	Request No.
KODAK	Access. No.
INVENTION DISCLOSU	JRE Docket No.
	<del></del>
To: Patent Department, Attention:  Subject: Patentability  Evaluation for (Title):  Documentation: Nosebook No Pure No.:  See 1944	a. Pacc - III
Documentation: Notebook No Page No.: See 19 Hard	Date:Author(s): NIOBAT
Commercialization/Outside Disclosure: Currently Plant Product, Process, Project, or Programs HIGH END OIGITAL Date:  CAMEROS  Disclosure: On attached typewritten pages, provide all the information requestor with the heading indicated. Provide all the information requestor you and the patent attorney. Each page should be signed and a Consult your Patent Attorney, if necessary, for further details on requires Sections  L. Background: Briefly discuss the need for the invention done/used now by Kodak and others). Identify pertinent literature disclosures of which you are aware. Identify the problems of the closes.  II. Summary of Invention: Summarical disclosures.	(Check here   1 of Clearage Study to also requested for the sections listed below. Identify each sted to the best of your knowledge as this will save time lated by each contributor and two disclosure reviewers and information.
II. Summary of Invention: Summarize the invention in ger which solve(s) the problem(s) identified in the background section. Set	neral terms. State the novel feature(s) of the invention
III. Detailed Description: Describe the specifics of the in schematics, tables, formulas, test results, etc. (free from Kodak codes a preferred embodiments, and specific examples. You must disclose the Preferably, describe the invention at a level where one with a technical field could understand the description. Enough information should be practice the invention without undue experimentation.	evention. Use drawings, flow charts, block diagrams, and jargon) as appropriate. Include a broad description, to best mode contemplated for provident
IV. Advantages: State the advantage(s) over the prior technol should be supported by the description in the previous section of the section o	
Contributor(s)/Inventor(s):  FULL Name (Print or type)	and the invaliding.

Read and Understood By: (1) Michael (Two disclosure reviewers) (Signature) (Duc). Approved By: 2 (Name of Lab Head, Tochnical Director, etc.) (Title/Organization) (Signature) Category: Technical Director, answer the following questions: L Is there a reasonable prospect of commercial use of the invention by Kodak? IL If not, is there a reasonable prospect of commercial use by others to compete with Kodak? []Yes []No 1 ] Y as [ ] No 11/90